

A flow chart for array-based detection of gene expression

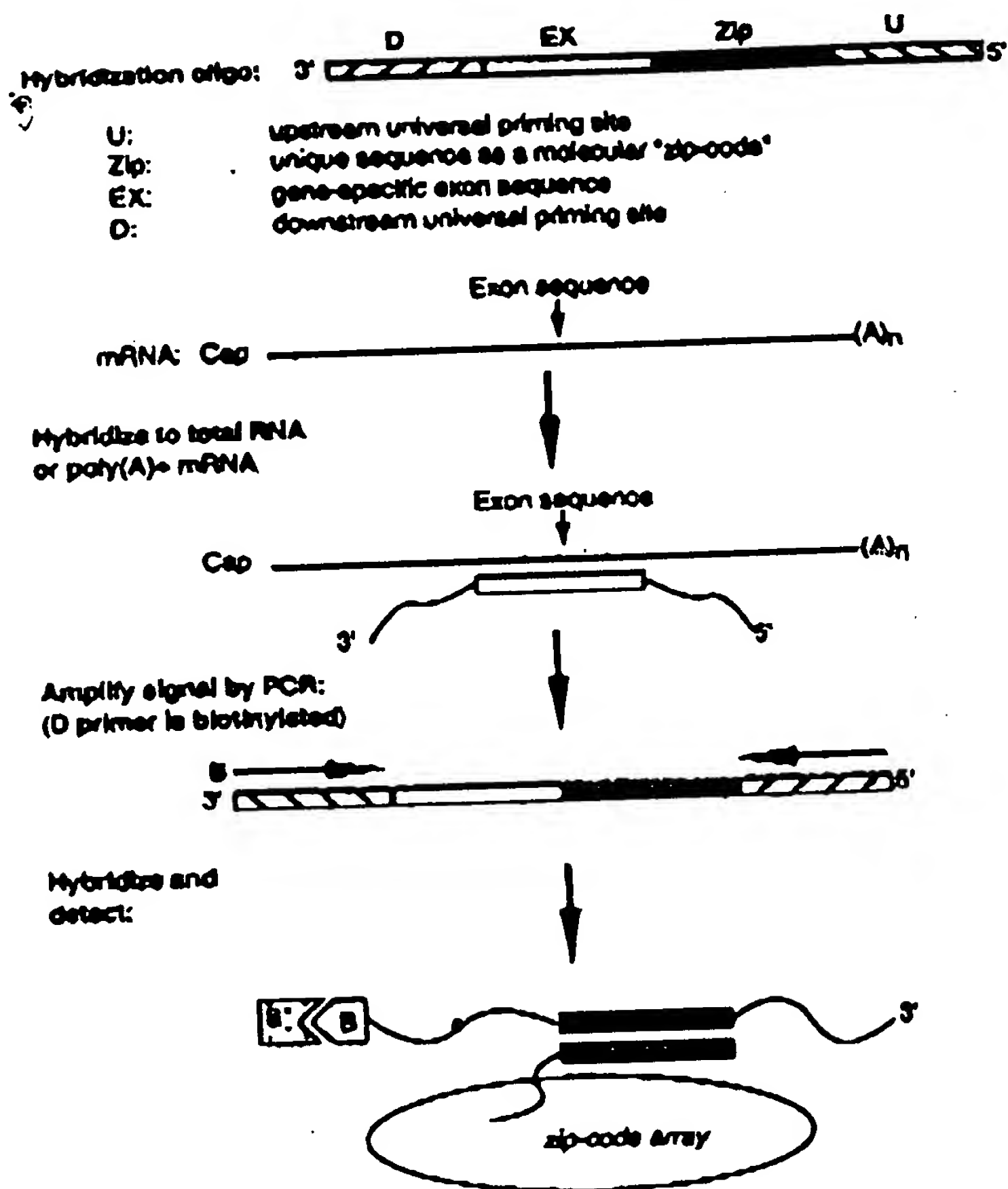


Figure 1

A flow chart for array-based detection of RNA alternative splicing

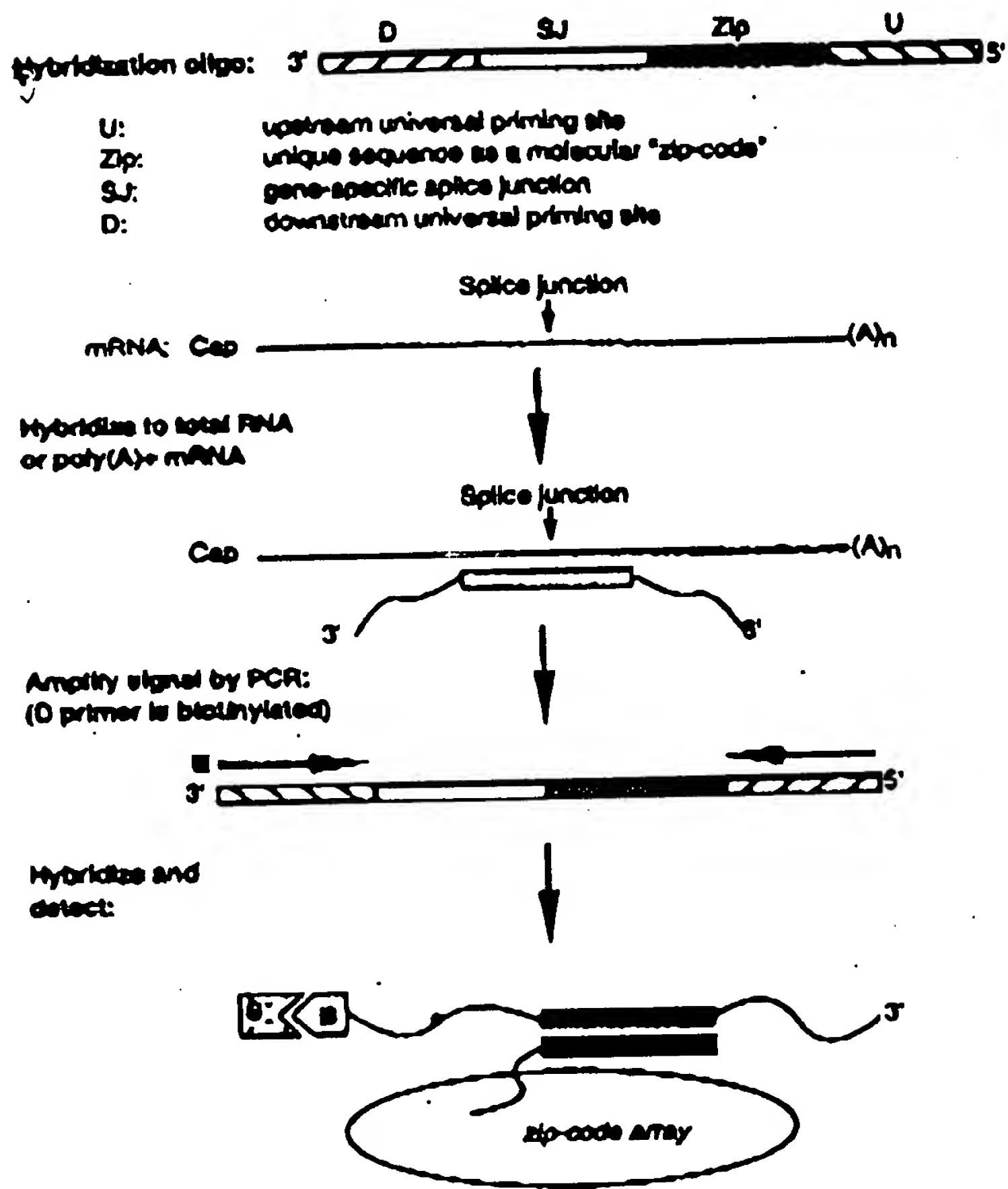


Figure 2

Genome-wide gene expression profiling using oligo-ligation strategy

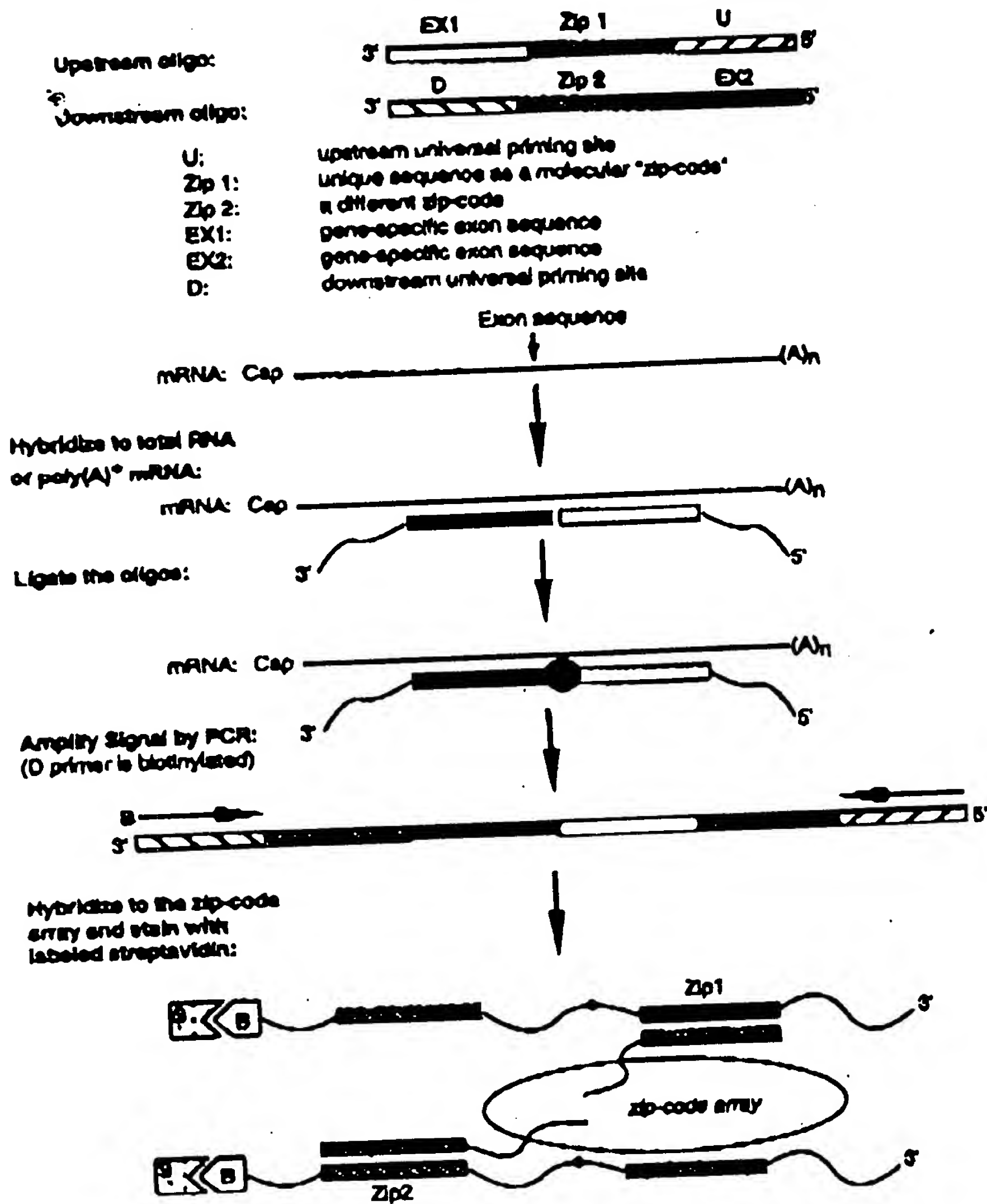


Figure 3

Genome-wide RNA alternative splicing monitoring using oligo-ligation strategy

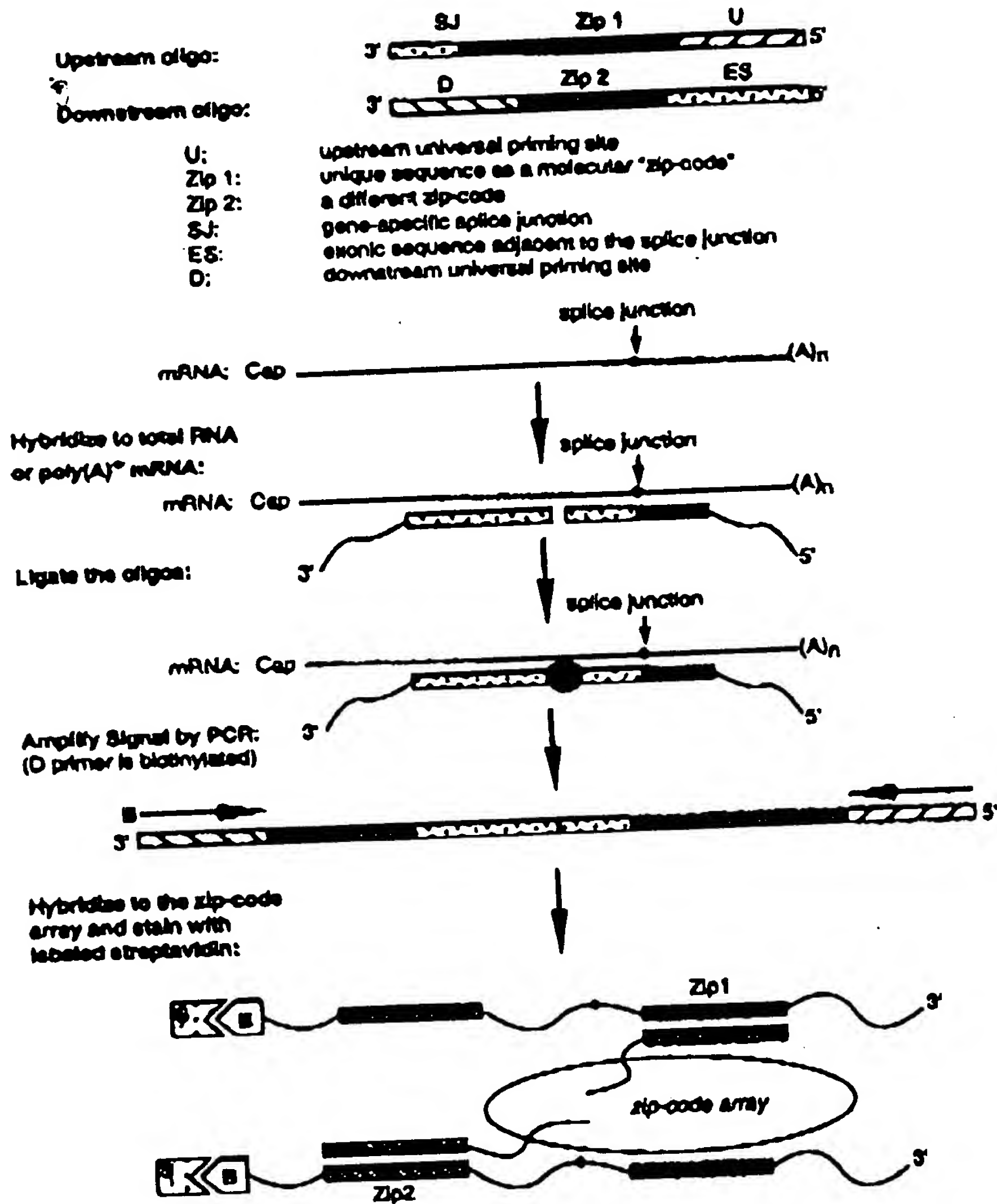


Figure 4

Direct genotyping using a whole-genome oligo-ligation strategy

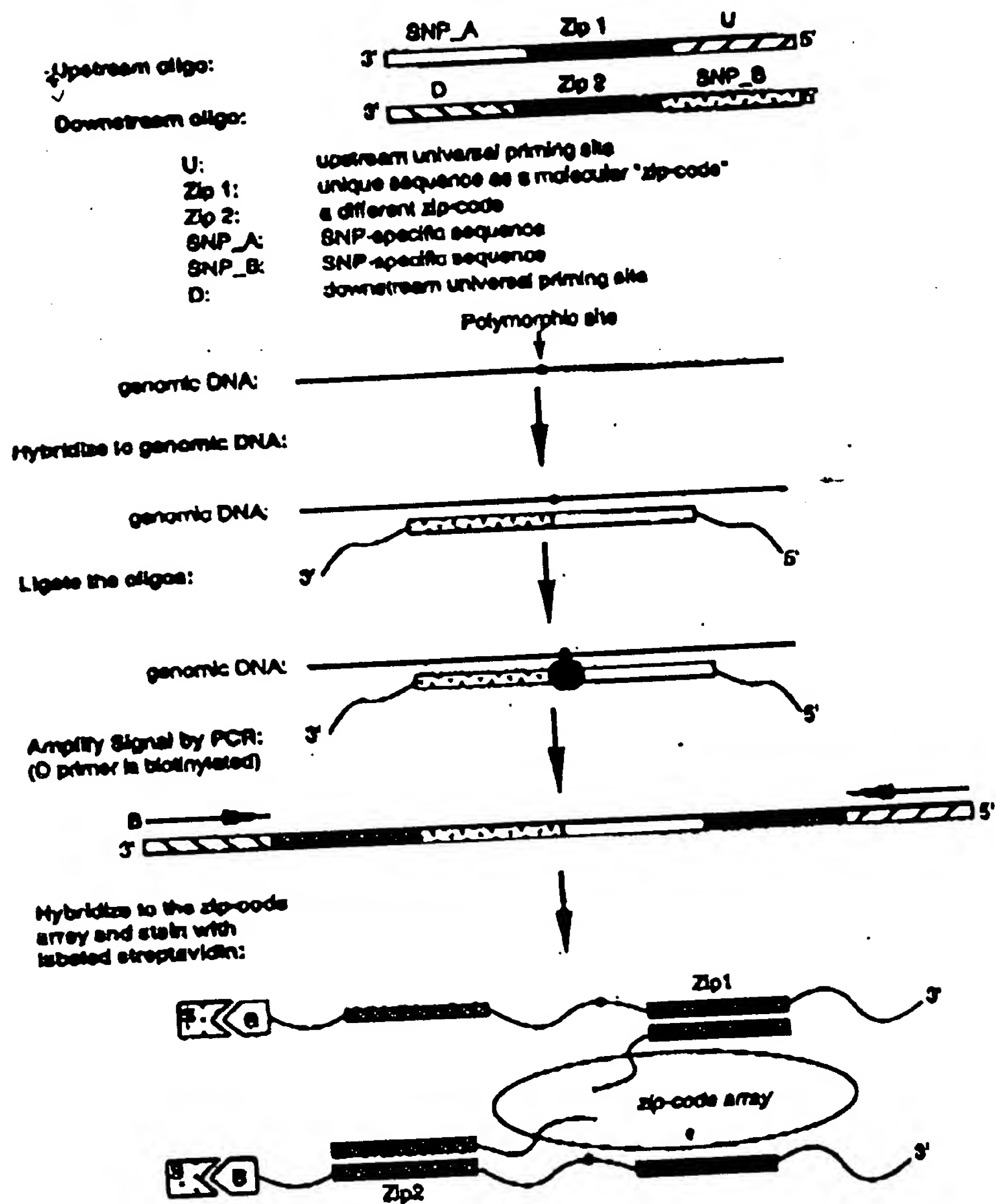


Figure 5



D:



Figure 6

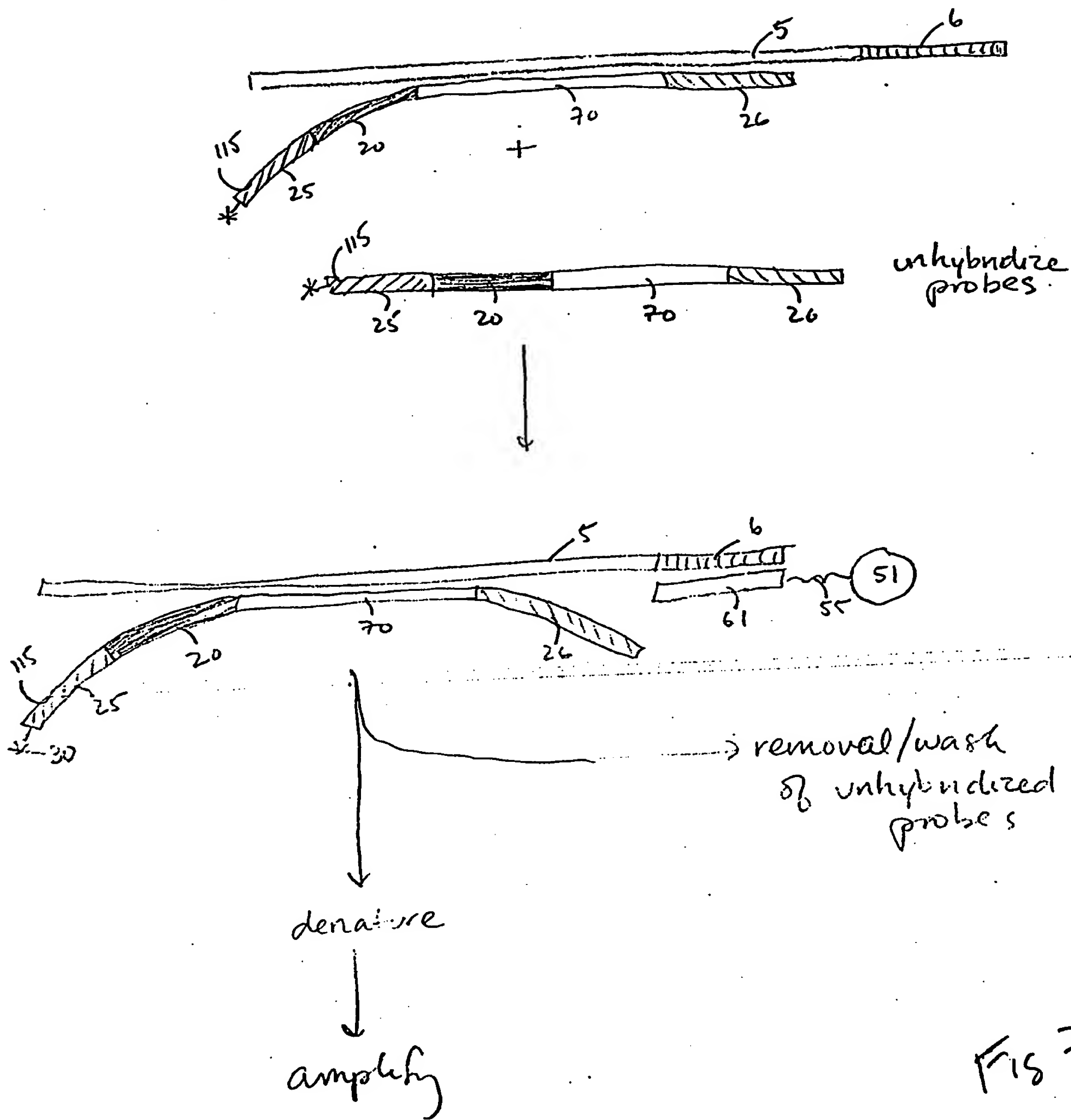
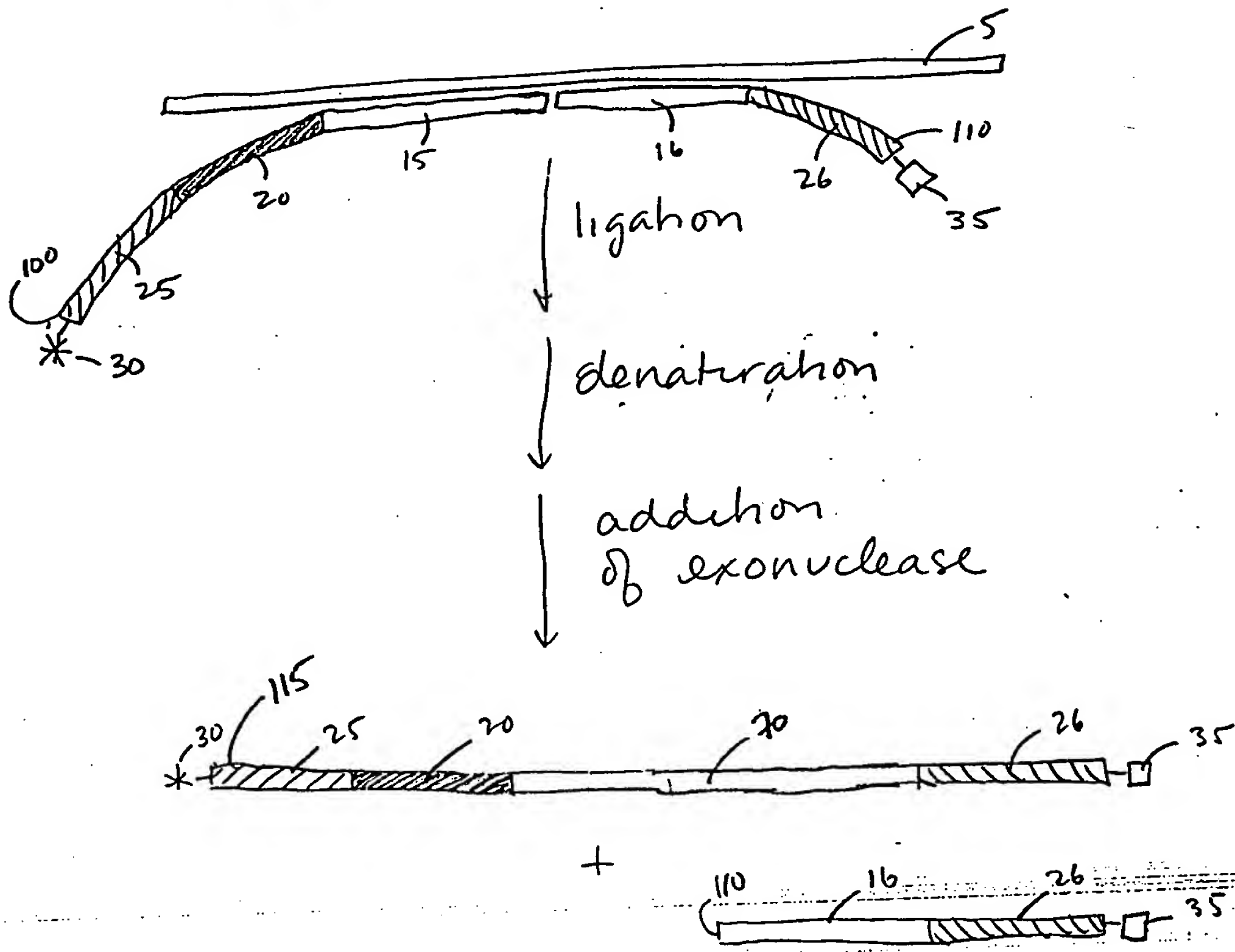


Fig 7



addition to
array,
wash away unbound

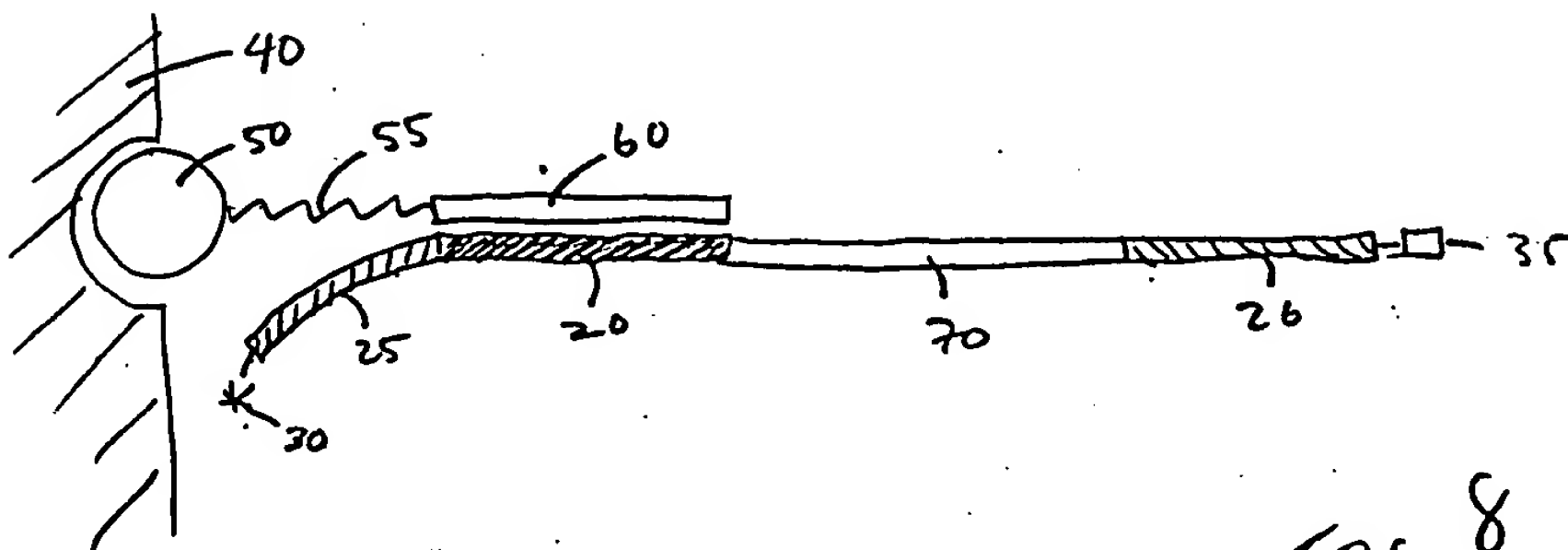
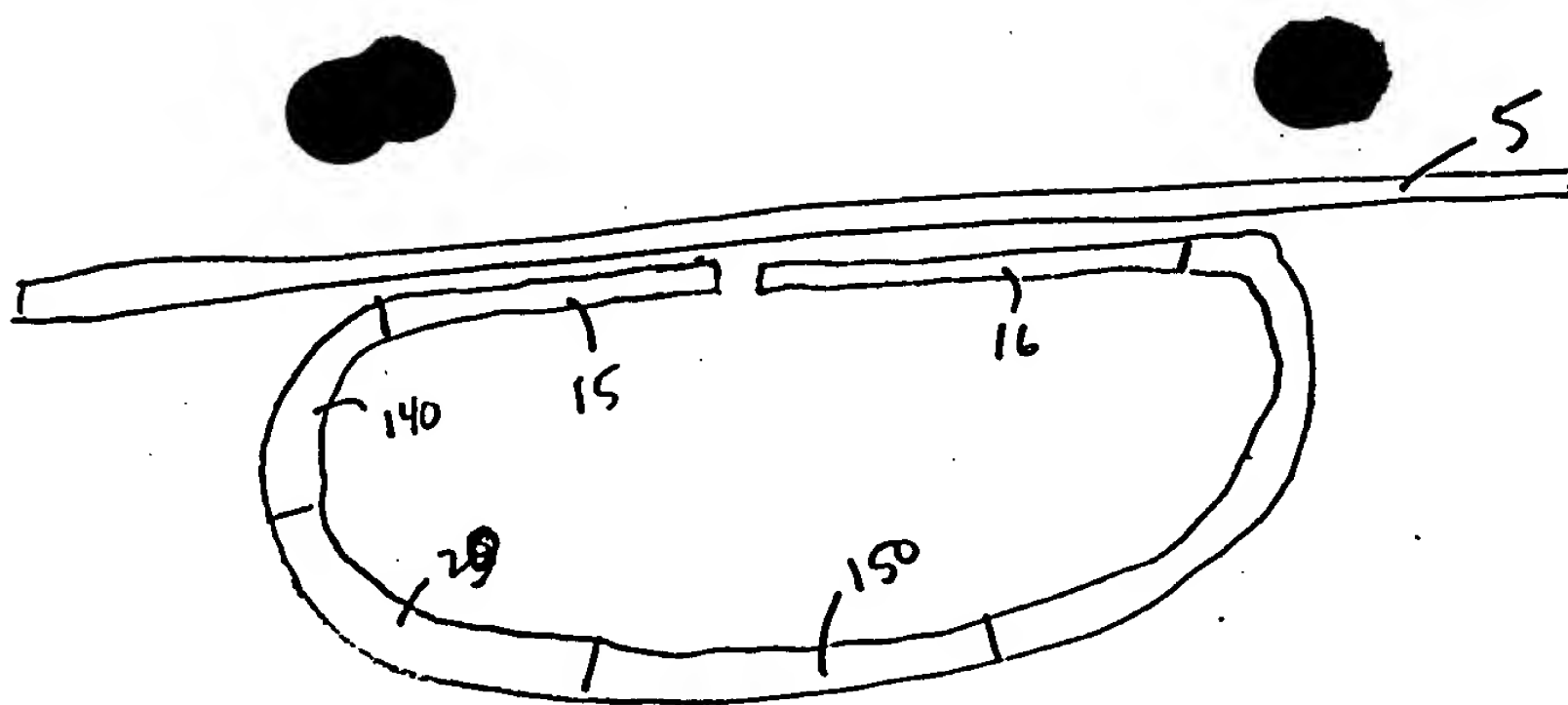
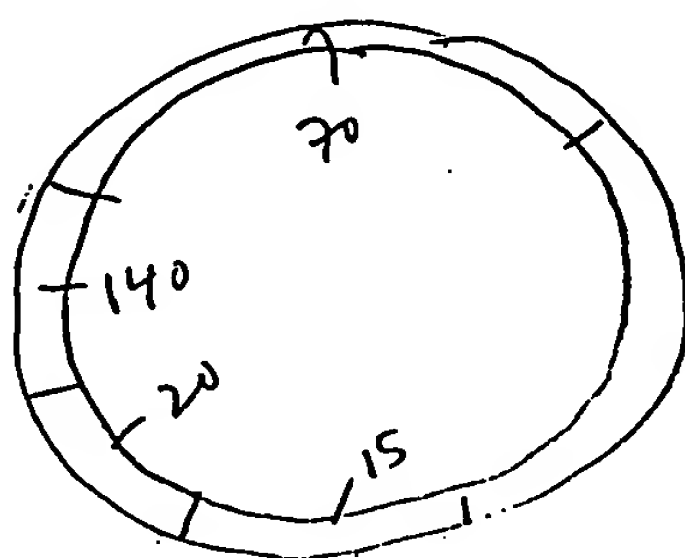


Fig 8



↓ ligation, denaturation



↓ addition of primer, extension

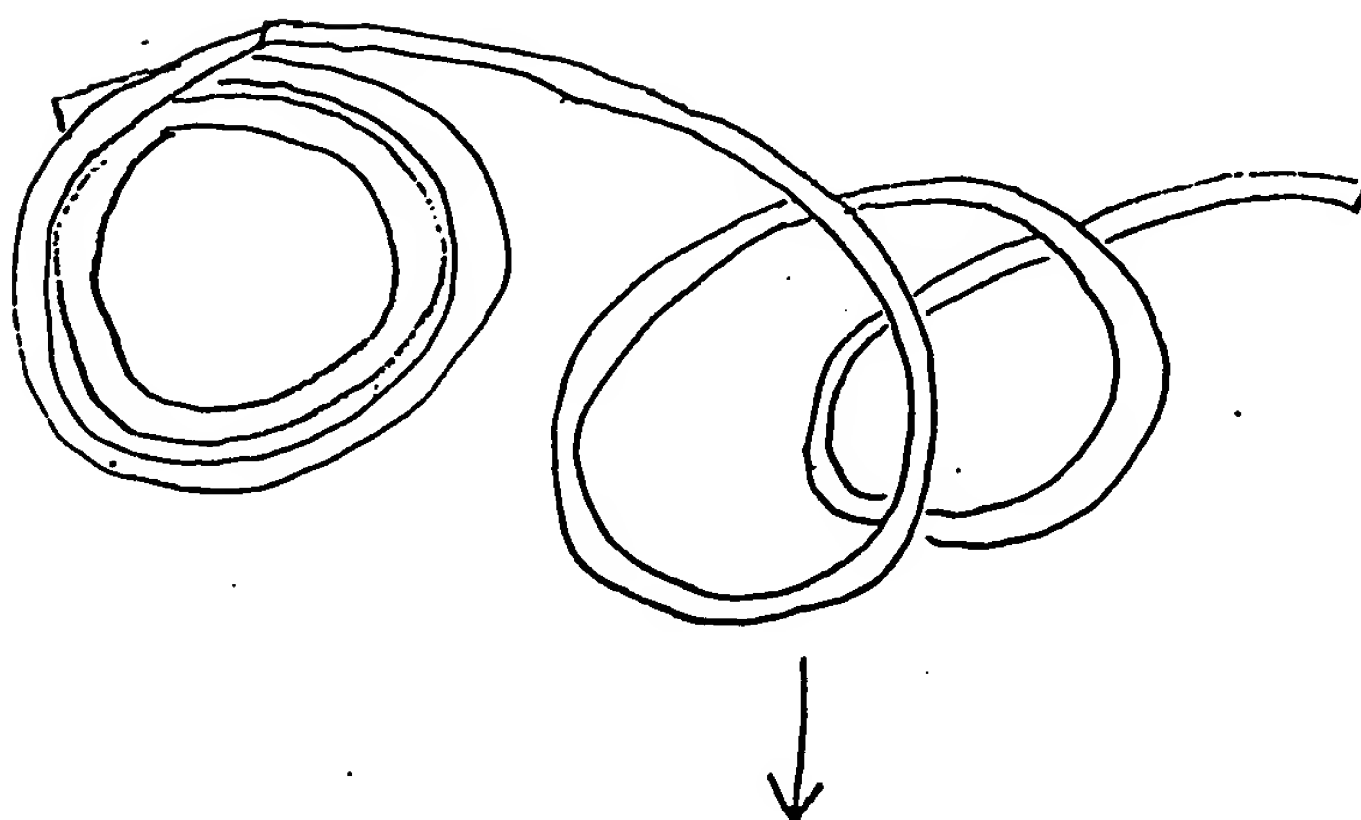
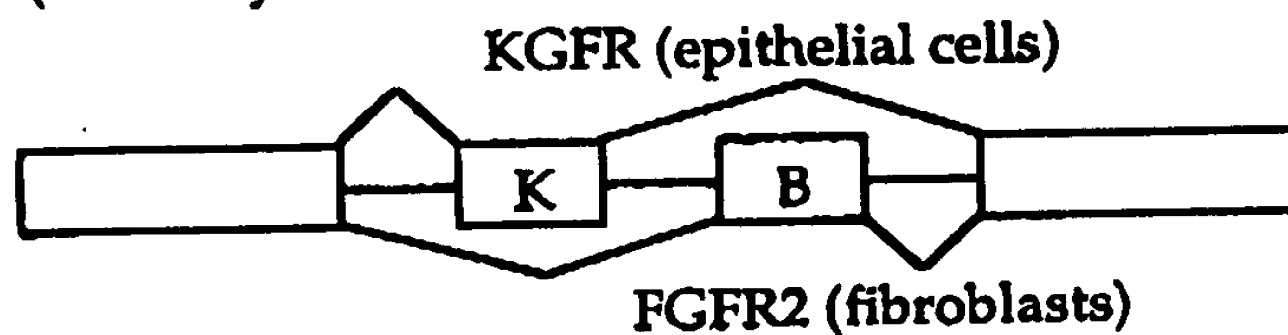


Fig 10

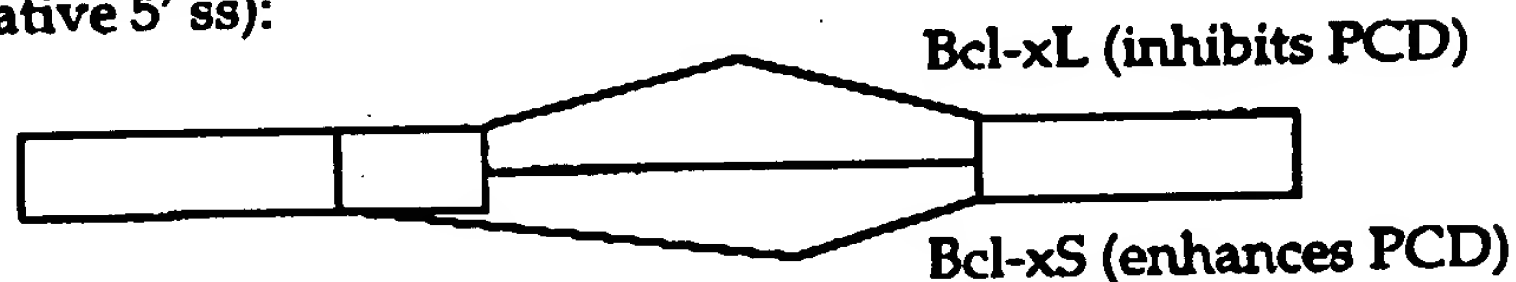
Alternative Splicing Targets Selected for Microarray Analysis

1. GAPDH (constitutive splicing control, signal normalization).

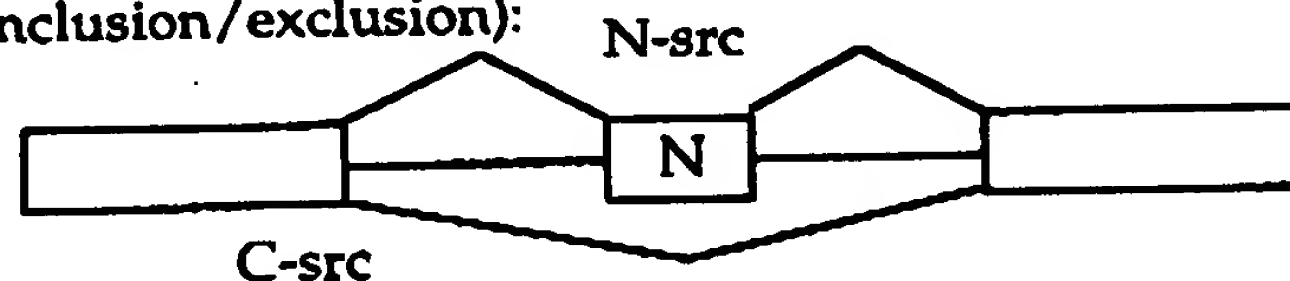
2. FGFR2/KGF (mutually exclusive exons, internal cell type control):



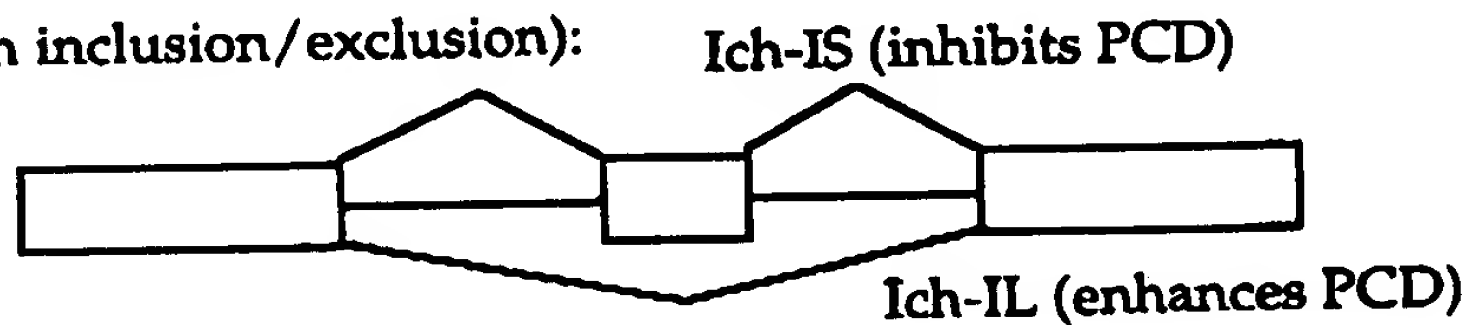
3. Bcl-x (alternative 5' ss):



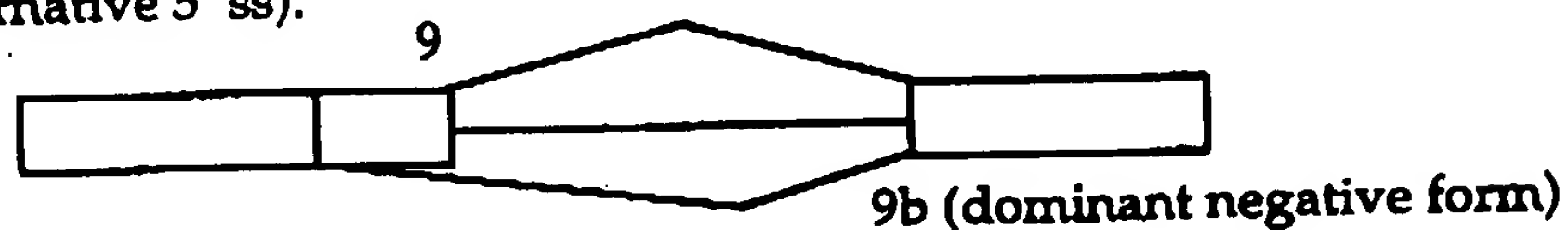
4. c-src (exon inclusion/exclusion):



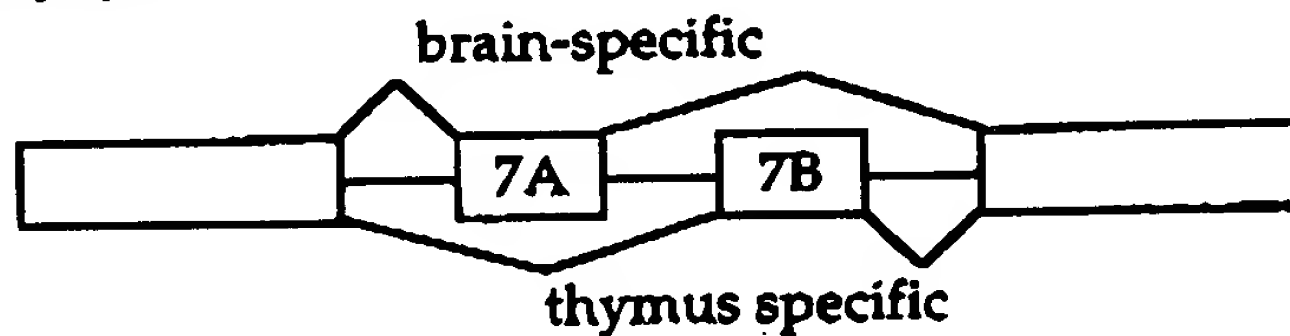
5. CASP2 (exon inclusion/exclusion):



6. CASP9 (alternative 5' ss):



7. Fyn (src family tyrosine kinase, mutually exclusive exons):



8. NOS1 (alternative promoters/alternative 5' ss):

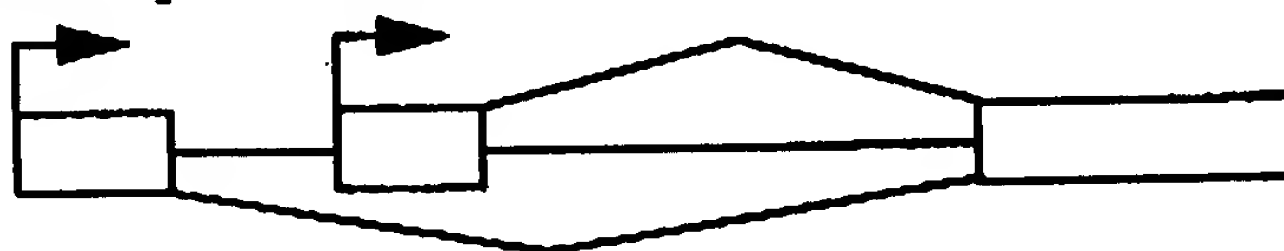


Fig
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